

**Figure 1. Mouse Klf4 DNA sequence (SEQ ID NO: 1)**

1 gacgccaaga gagcgcagcgc ggctccgggc gcgcggggag cagaggcggt ggccggcgcc  
61 gggggcaccc ggagccggcg agtccccctc cccgccccctc cagcccccca cccaggaacc  
121 cgcccggtac ccgcgcggcat ggccgcgcgc accccgtaca gtcccccaqga ctccgcaccc  
181 cgccgcaccc tccagctcgc agttccgcgc caccgcggcc attctcacct ggccggcgcc  
241 cccggccaccc cccggaccac agccccccgcg cccgcgcacag ccacagtggc cgccacaacg  
301 gtgggggaca ctgctgagtc caagagcgtg cagcctggcc atcggaccta ttatctgcc  
361 ttgctgattt tctatTTTA taagagttta caacttttct aagaattttt gtatacaaag  
421 gaactttttt taaagacatc gcccgTTTAT attgaatcca aagaagaagg atctcgcc  
481 atctgggggt ttgggttga ggTTTGTt ctaaagtTTT taatcttcgt tgactttggg  
541 gctcaggtaac ccctctctct tcttcggact ccggaggacc ttctggccc ccacattaat  
601 gaggcagcca cctggcgagt ctgacatggc tgcgcgtc gctctgtcc cgcccttctc  
661 cacgttcgcg tccggccgg cgggaaaggga gaagacactg cgtccagcag gtggcccgac  
721 taaccgttgg cgtgaggaac tcttcacat gaagcgaCTT ccccccacttc cccggccgccc  
781 ctacgacactg goggcgacgg tggccacaga cctggagagt ggcggagctg gtgcagctt  
841 cagcagtaac aaccggggcc tccTAGCCG gaggggagacc gaggaggatca acgaccttct  
901 ggacctagac ttatccccc ccaactcgct aaccacccacg gaatcggtgg ccggccaccc  
961 gaccaccccg ggcgcgttca catcctcgcc ttccggccggc agcagccggcc ctggccagcgc  
1021 gccctccacc tgcagcttca gctatcccgat ccggggccggg ggtgaccggc ggtggctgc  
1081 cagaaacaca ggtggaggcc tccttacag ccgagaatct ggcacccctc ccacggggcc  
1141 cttaacccatg ggggacatca atgacgtgag cccctcgggc ggTTcggtgg ctgagcttct  
1201 gggggccggag ttggacccag tatacattcc gccacagcag cctcagccgc caggtggggg  
1261 gctgatgggc aagtttgtc tgaaggcgtc tctgaccacc cctggcagcg agtacagcag  
1321 ccctcggtc atcagtgtt acaaaggaaag cccagacggc agccaccccg tggtagtggc  
1381 gcccctacago ggtggccgcg cgccatgtg ccccaagatt aagcaagagg cggcccggtc  
1441 ctgcacccgtc agcccggtcc tagaggccca ttgagcgct ggacccacg tcagcaacgg  
1501 ccacccggccc aacacacacg actttccctt gggggcccgat ctcccccacca ggactacccc  
1561 tacactgagt ccggaggaaac tgctgaacag cagggactgt caccctggcc tgcctttcc  
1621 cccaggattt catccccatc cggggggccaa ctacccttcc ttccctggcc accagatgca  
1681 gtcacaagtc ccctcttcc attatcaaga gtcatgcgc ccgggttcct gcctgcccaga  
1741 ggagcccaag ccaaagagggg gaagaaggcgtc gtggcccccgg aaaagaacacg ccacccacac  
1801 ttgtgactat gcaggctgtg gcaaaaccta tbeccaagagt tctcatctca aggacacac  
1861 gcaactcac acaggcgaga aacccatcca ctgtgactgg gacggctgtg ggtggaaatt  
1921 cggccgctcc gatgaactga ccaggcacta cccggaaacac acaggccacc ggcctttca  
1981 gtggccagaag tggacaggcc cctttccag gtcggaccac ctggcccttac acatgaagag  
2041 gcaacttttaa atcccaactgtt gttggatgtga cccacactgc caggagagag agttcagtat  
2101 ttttttttctt aacccatccac actgtttcc caccgggggg gggcccgatc tggcaagcgc  
2161 tacaatcatg gtcaagttcc cagaactgtc gcttggatgat ggataatcg gagaaggaa  
2221 gagtccaaga gacaaaacacg aaataactaaa aacaaaacaaa caaaaaaaca aaaaaaaaaa  
2281 ccaagaaaaaa aaaatcacacg aacagatgggg gtctgataact ggatggatct tctatcattc  
2341 caataccaaa tccaaacttgc acatccccgg acttacaaaaa tgccaagggg tgactggaag  
2401 ttttgggata tcagggtata cactaaatca gtgagcttgg ggggaggggaa gaccaggatt  
2461 cccttgaatt gtgtttcgat gatcaatac acacgttacg atcaccttgc atgtcttttgc  
2521 cccctttttttt aaaaaaaaaaagc cattattgtt tcggaggaaag aggaaggcgat tcaggatc  
2581 aacatgttctt aacagccaa atgatgggtc ttgggtgatgtt gtggctctaa aggtacccaaa  
2641 cggggggagcc aaagtttccaa aactgtgtca tacttttgc aaggaaaatc tagttttgtc  
2701 ttcccgatctt cattgtatgc ctaagccagg taaataagcc ttgggttattt ctgtacatt  
2761 ttatgtcaga cagtctgttca tgcactgtgg ttccagatgtt gcaataatTTT gtacaatgtt  
2821 ttatcccaa gtatgccttt aaggcagaaca aatgtgtttt tctatataatgt tccttgcctt  
2881 aataaaatatgt taatataat ttaaccca

**Figure 2. DNA sequence for Human GK1f4 (SEQ ID NO:2)**

1tcgaggcgac cgccgacagtg gttggggacg ctgctgagtg gaagagagcg cagccccgcc  
61 accggaccta cttactcgcc ttgctgatttgc tctatttttgc gtttacaac ttttctaaga  
121 actttgtat acaaaggAAC tttttaaaaaa agacgcttcc aagttataatt taatccaaAG  
181 aagaaggATC tcggccaatt tggggTTTGC ggtttggct tcgtttcttc tcttcgttGA  
241 cttgggggtt caggtGCCc agctgCTCG ggCTGCCAG gACCTCTGG GCCCCCACAT  
301 taatgaggCA gCCACCTGc gAGTCTGACA tggCTGTcAG cgACGCGCTG CTCCCAtCTT  
361 tctccacGTT cgcgtCTGc CGGGCGGGAA gggAGAAGAC ACTGCGTCAA GCAGGTGCC  
421 cgaataaccG ctggCGGGAG gagCTCTCCC ACATGAAGCG ACTTCCCCCA GTGCTCCCCG  
481 gcccCcCTA tgacCTGGCG GCGGCGACCG TGGCCACAGA CCTGGAGAGC GGCGGAGCCG  
541 gtgcggCTTG CGCGGTAGC AACCTGGCGC CCCTACCTCG GAGAGAGACC GAGGAGTTCA  
601 acgatCTCTT ggacCTGGAC tttattCTCT ccaattCGCT gACCCATCTT CGCGAGTCAG  
661 tggccGCCAC cgtgtCTCG tcAGCGTCAG CCTCTCTTC gtGTCGCCG TCGAGCAGCG  
721 gCcCTGCCAG CGCGCCCTCC ACCTGCAGCT tcACCTATCC gatCCGGGCC GGGAAACGACC  
781 cgggcgtGgc GCGGGCGGC ACGGGCGGAG GCGCCCTCTA tggcAGGGAG tccgGTCCCC  
841 ctccgacGgc tCCCTCAAC ctggCGGACA tcaacGACGT gAGCCCTCG GGCGGCTCG  
901 tggccGAGCT CCTGCGGCCA gaATTGGACC eggGTACAT tccGCCGAG CAGCGCGAGC  
961 cgcCAGGTGG CGGGCTGATG ggcaAGTTCG tGCTGAAGGC GTGCTGAGC GCCCCTGGCA  
1021 gcgAGTACGG CAGCCCTCG GTCATCAGCG TCAAGCAAGG CAGCCCTGAC GGCAGCCACC  
1081 cggTGGTGGT GGCGCCCTAC AACGGCGGGC CGCCGCGAC gTGCCTTAAAG ATCAAGCAGG  
1141 aggCGGTCTC ttGtGcAcc CACTGGCG CTGGACCCCC totcAGCAAT GGCACCCGGC  
1201 cggCTGcaca CGACTTCCC CTGGGCGGC AGCTCCCCAG CAGGACTACC CGCACCCCTGG  
1261 gtCTTGAGGA AGTGTGAGC AGCAGGGACT GTCACCTCG CCTGCCGCTT CCTCCCGGCT  
1321 tCCATCCCCA CCCGGGGCC ATTACCCAT CCTCTCTCG CgATCAGATG CAGCGCAAG  
1381 tCCCGCCGCT CCATTACAA GAGCTCATGC CACCCGGTT CTGATGCCA GAGGAGCCCA  
1441 agccAAAGAG GGGAAAGACGA TCGTGGCCCC GGGAAAAGGC CGCCACCCAC ACTTGTGATT  
1501 acgcGGGCTG CGGCAAAC ACCACAAAGA GTTCCCATCT CAAGGCACAC CTGCGAACCC  
1561 acacAGGTGA GAAACCTAC CACTGTGACT GGGACGGCTG TGGATGGAAA TTCGCCGCT  
1621 caGATGAAct GACCAGGAC TACCGTAAC ACACGGGGCA CGCCCGTT CAGTCCAAA  
1681 aatGCGACCG AGCATTTC AGGTCGGACC ACCTCGCTT ACACATGAAG AGGCAATTTC  
1741 aaATCCCCAGA CAGTGGATAT GACCCACACT GCCAGAAAGAG AATTCACTAT TTTTACTTT  
1801 tcacACTGTC ttCCCGATGA GGGAGGGAGC CCAGCCAGAA AGCACTACAA TCACTGGTCAA  
1861 gtTCCCAACT GAGTCACTT GTGAGTGGAT AATCAGGAAA AATGAGGAAT CCAAAAGACCA  
1921 aaaATCAAAG AACAGATGGG GTCTGTGACT GGATCTCTA TCAATTCCAAT TCTAAATCCG  
1981 acttGAATAT TCCTGGACTT ACAAAATGCC AAGGGGGTGA CTGGAAGTTG TGGATATCAG  
2041 ggtATAAATT ATATCCGTGA GTTGGGGAG GGAAGACCAAG AATTCCCTG AATTGTGTAT  
2101 tGATGCAATA TAAGCATAAA AGATCACCTT GTATTCTCTT TACCTCTAA AAGCATTAT  
2161 tatGATGTTA GAAGAAGAGG AAGAAATTCA GGTACAGAAA ACATGTTAA ATAGCCTAAA  
2221 tGATGGTGT tGGTGGATCT TGGTCTAAA GGTACCAAAC AAGGAAGCCA AAGTTTCAA  
2281 actGCTGcat ACTTTGACAA GGGAAATCTA TATTGTCCTT CGCATCAACA TTTATGACCT  
2341 aAGTCAGGTA ATATACCTGG TTtACTCTT TAGCATTTT ATGCGACAG TCTGTTATGC  
2401 actGTTGGTTT CAGATGTGCA ATAATTGTA CAATGGTTA TTCCCAAGTA TGCCCTAAGC  
2461 agAACAAATG tGTTTTCTA TATAGTTCCt TGCCCTAATA AATATGTAAT ATAAATTAA  
2521 gCAAACGTCT ATTTGTATA TTTGAAACT ACAAAAGTAA ATGAACATTt TGTGGAGTTT  
2581 gtATTTGCA tactcaAGGT gagaATTAAG TTTAAATAA ACCTATAATA TTTATCTG

**Figure 3**

